



GB/USFree-standing room-covering rail system, height adjustable

User manual - vers. 1.00

CE

Guldmann™

Free-standing room-covering rail system, height adjustable

Item no:

555262

555570

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1.00**Purpose and use**

1.01**Manufacturer**

V. Guldmann A/S
Graham Bells Vej 21-23A
DK-8200 Aarhus N
Tel. + 45 8741 3100
Fax + 45 8741 3131

1.02**Intended use and description**

The free-standing room-covering rail system (hereinafter called rail system) together with a Guldmann ceiling hoist covers the need for lifting or moving a person with disabilities.

1.03**Where to use**

The rail system is designed to be used indoor whenever the user needs to be lifted or moved on a level surface.

The rail system is a portable rail system which can be set up practically anywhere and requires no mounting on walls or ceiling.

The rail system is height adjustable.

1.04**Important precautions**

Read the entire user manual prior to setting up and starting to use the free-standing rail system.

- The rail system can be set up and taken down by one person only, but the assembly would be easier with the assistance of one more person.
- The maximum load of 255 kg must not be exceeded.
- In case of damage to the rail system, the operation of it should be discontinued immediately.
- The rail system should be set up on a level surface.
- The rail system must not be used for any other purpose than that stated in this user manual; that is, neither as a playground or a swing device.
- The end stops have to be properly installed and properly tightened, and the yellow thumb screws on the top brackets have to be properly tightened before the system must be used.

**WARNING**

Check that end stop is tight

**WARNING**

Tighten yellow thumb screws
firmly by hand before system usage

1.05

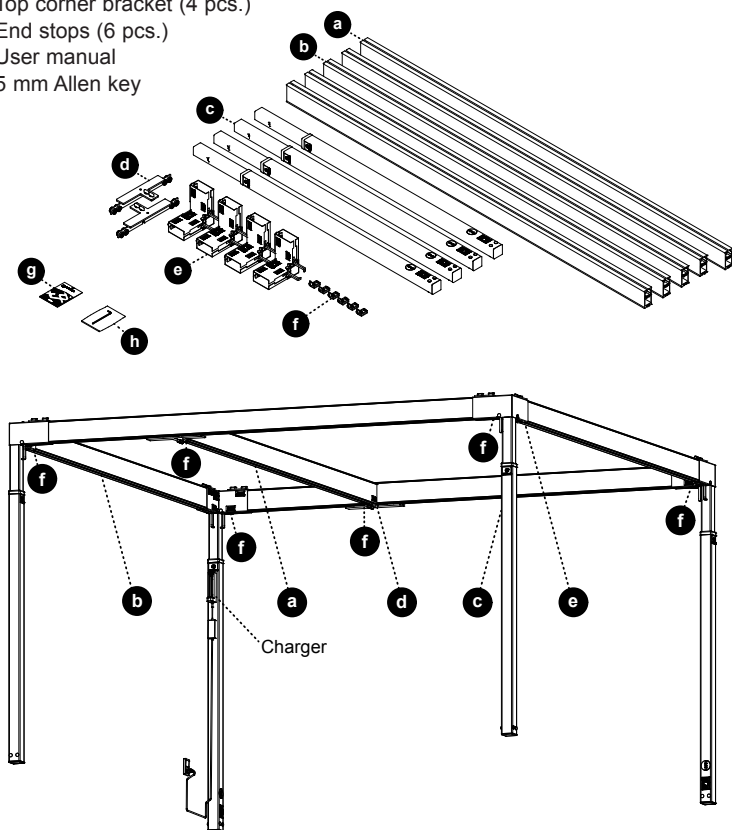
Hoists made by other manufacturers

Guldmann is not liable for defects or accidents caused by the application of hoists/lifting modules made by other manufacturers.

2.00

Definitions

- a. Traverse rail (1 pcs.)
- b. Side rail (4 pcs.)
- c. Vertical pole module (4 pcs.)
- d. Traverse trolley (2 pcs.)
- e. Top corner bracket (4 pcs.)
- f. End stops (6 pcs.)
- g. User manual
- h. 5 mm Allen key



2.01

Unpacking

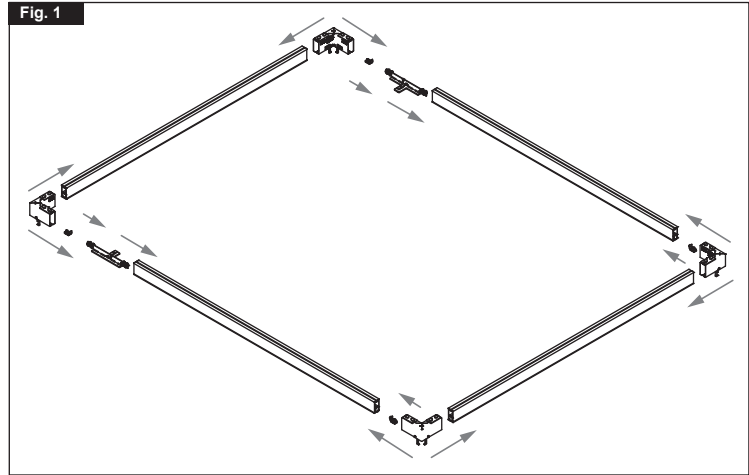
Inspection before unpacking

If the packaging is damaged upon receipt, the components rail system should be carefully checked for noticeable imperfections, defects or flaws.

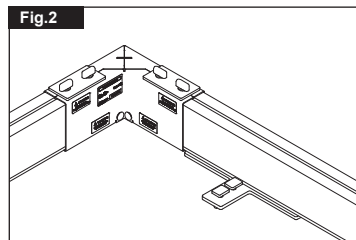
If damage is suspected, the rail system should not be assembled or taken into use until the system has been approved by qualified service staff or the Guldmann Service Team.

3.00

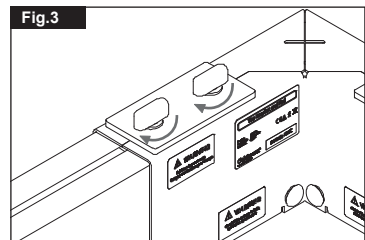
Setting up the system



Start by assembling the square rails, insert traverse trolleys (d), with fish-plates facing inwards, and end stops (f) in both ends of the two rails (b) containing traverse trolley, with end stop bumper facing the trolley.

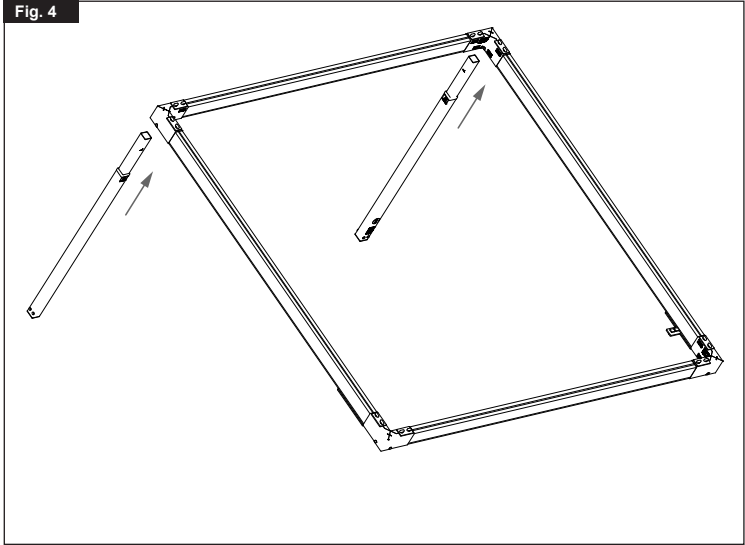


Rails (b) must be pushed all the way into the top corner bracket (e). Traverse trolleys (d) can be temporarily kept in place by end stops (f).



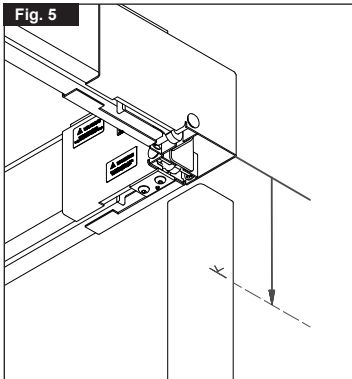
Lock the rail (b) to the top bracket module (e) with the two yellow thumb screws.

Fig. 4



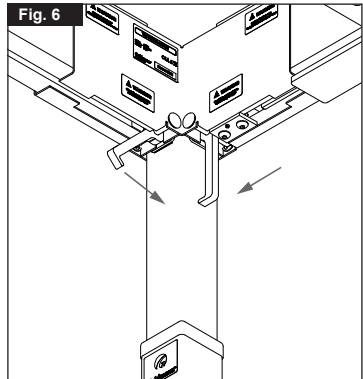
Lift the square top bracket and rail module and mount it on top of the two first vertical poles (c). It is important to orient the vertical poles in a way that ensures access to the height adjustment socket.

Fig. 5

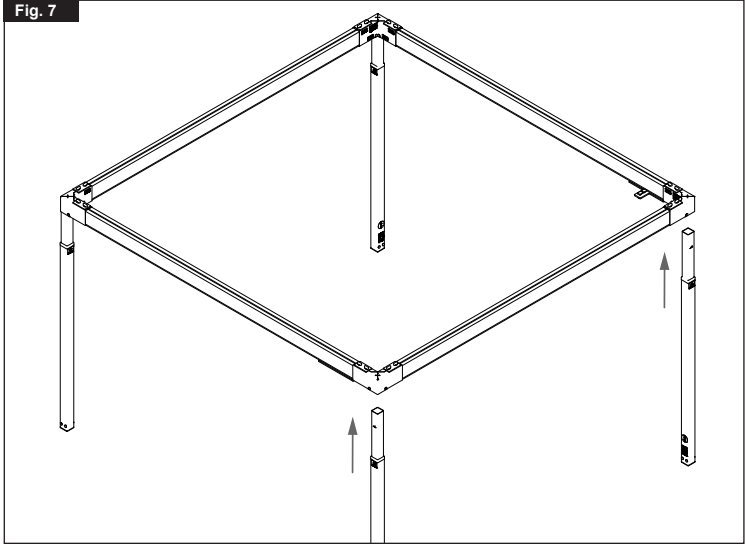


The top bracket must be flush with the mark on the vertical pole.

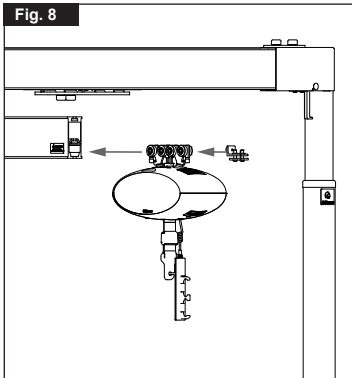
Fig. 6



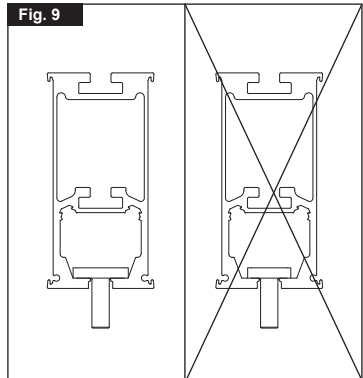
Lock the top bracket (e) to the vertical pole (c) by pressing the locking arms down until they touch the vertical pole.

Fig. 7

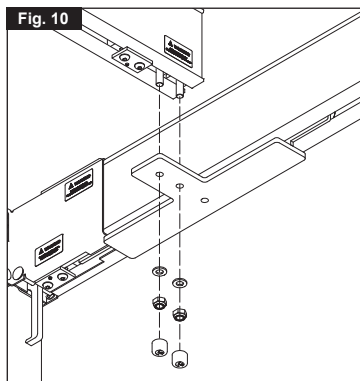
Lift the square top bracket and rail module and mount it on top of the two last vertical poles (c). Lock with the locking arms.

Fig. 8

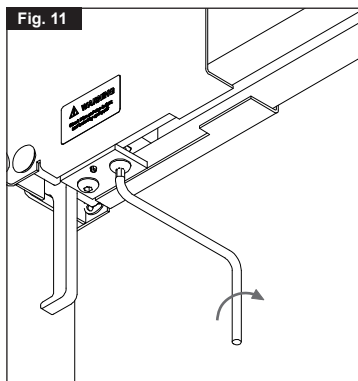
Insert the Guldmann hoist in the traverse rail (a) followed by an end stop (f) on each side, with end stop (f) bumper facing the hoist trolley. The hoist can be temporarily kept in place by end stops (f) .

Fig. 9

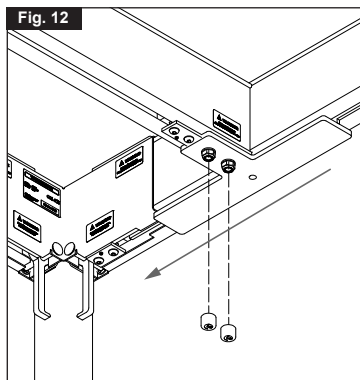
Insert the clamp plates from the traverse trolleys in the traverse rail, 2 clamp plates in each end. Fit the rectangular clamp plates with the long side in the width of the rail.



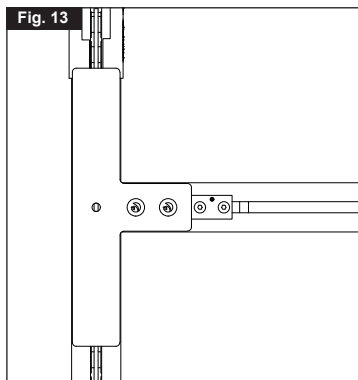
Lift the traverse rail on top of the traverse trolleys, fit washers and tighten locking nuts



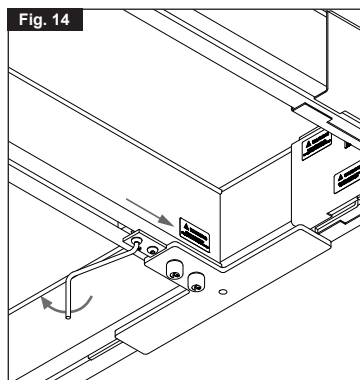
Tighten the end stop (f).



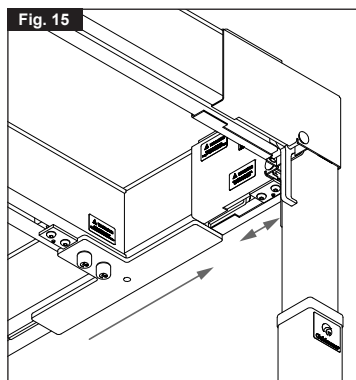
Move traverse rail (a) up against the two tightened end stops (f) to adjust the traverse rail to the end stops. The rail (a) must be centered in the system, adjusted with equal amount of clearance on each side to the square rail frame. Adjustment is done by eye.



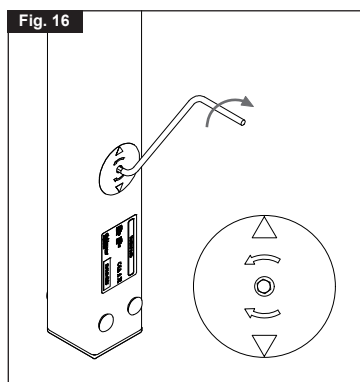
Traverse trolleys must be parallel and centered in the side rail (b). When the adjustment is satisfactory, tighten the locking nuts and put on the protective cap.



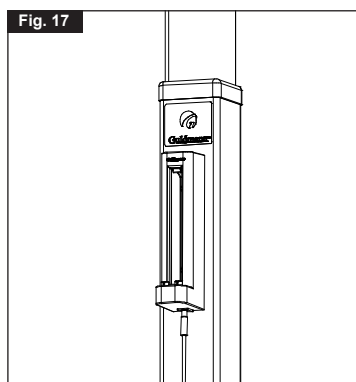
Tighten the end stop (f) against the traverse trolley (d).



Move the traverse rail (a) to the opposite side against end stops (f) to adjust the end stops to the traverse rail. Adjust the end stop if there is any gap between trolley (d) and end stop (f). Traverse rail (a) must connect with both end stops (f) at the same time.

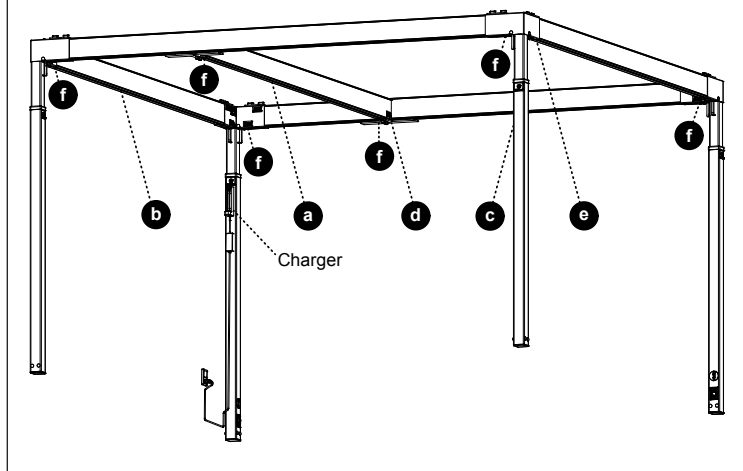


Adjust the height by inserting the enclosed 5 mm Allen key (h) in the height adjustment socket at the side of the vertical poles (c) by turning clockwise to raise or counter clockwise to lower the vertical poles. Make sure that top bracket (e) and rail module (a & b) is level. The height adjustment socket must be turned two full rotations to height adjust 1 cm.



Fix the recharging dock on the vertical pole (c) just below the Guldmann logo with the enclosed Velcro.

Fig. 18



The rail system is now ready for use.

4.00	Description of functions
4.01	<p>Operation</p> <p>The rail system is a portable system that, once installed, does not require any further operation.</p>
4.02	<p>Height adjustment</p> <p>Set up the system (see 3.00).</p> <p>Insert the accompanying 5 mm Allen key or a power drill with 5 mm bit in the height adjustment socket at the side of the vertical pole.</p> <p>Adjust each pole to the required height and afterwards adjust the system until the top bracket and rail module are level.</p> <p>Note: <i>If a power drill is used, start in low gear and do not adjust the vertical pole to maximum or minimum height.</i></p>
4.03	<p>Demounting the system</p> <p>Lower the system to the lowest position.</p> <p>Demount the rail system in the reverse order of assembling it. (see 3.00).</p> <p>It may be necessary to push the top bracket upwards in order to separate it from the vertical pole module.</p> <p>Important: Before taking down the rail system, the hoist must be taken out or secured by means of the end stops.</p>
4.04	<p>Transporting the system</p> <p><i>As a minimum, the rail system should be taken apart so that the vertical pole modules are separated from the top brackets and rail (see 3.00).</i></p>

5.01

Cleaning

We recommend that the product and the parts that patients and caregivers can come in contact with are cleaned with Novadan Des Wipes or Novadan Desinfect O.

Desinfect O: A broad-spectrum disinfectant system as tablets. Suitable for disinfection of equipment, tools and surfaces in the healthcare sector.

Novadan Des Wipes: Is a disposable wipe for cleaning and disinfection of all types of surfaces, machines and instruments in the healthcare sector.

NB: Do never clean the rail system with strong acid, base or alcohol. Never clean the rail system in an autoclave.

Desinfect O is effective against:	Novadan Des Wipes is effective against:
<i>Microbial- & Virus test</i>	
<ul style="list-style-type: none"> • Staphylococcus aureus (ATCC 6538) (EN 13697:2001) • Enterococcus hirae (ATCC 10541) (EN 13697:2001) • Escherichia coli (ATCC 10536) (EN 13697:2001) • Pseudomonas aeruginosa (ATCC 15442) (EN 13697:2001) • Candida albicans (ATCC 10231) (EN 13697:2001) • Swine plague - Bovine viral diarrhea virus (BVDV) (EN 14675:2006) • Swine and avian flue (Influenza A virus H1N1) (EN 14675:2006) 	<ul style="list-style-type: none"> • Staphylococcus aureus • Escherichia coli • Proteus mirabilis • Pseudomonas aeruginosa • Candida albicans • MRSA • H1N1 • HBV (HIV) • HCV

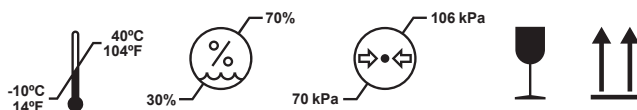
Novadan product	Description	Microbial and Virus test	Application	Dosing	Frequency
Desinfect O	A broad-spectrum disinfectant system as tablets.	Staphylococcus aureus, Enterococcus hirae, Escherichia coli, Pseudomonas aeruginosa, Candida albicans, Swine plague - Bovine viral diarrhea virus (BVDV), Swine and avian flu. (Influenza A virus H1N1)	Tools apparatus (Remember to wash afterwards)	1 tablet –10 l of water Time before effect: 5 min.	Daily/ periodically
Novadan Des Wipes	Is a disposable wipe for cleaning and disinfection of all types of surfaces, machines and instruments within the healthcare sector and food industry.	Staphylococcus aureus, Escherichia coli, Proteus mirabilis, Pseudomonas aeruginosa, Candida albicans, MRSA, H1N1 HBV (HIV), HCV	Lifting pool with adjustable handle, bed guard, remote control of beds, extension piece for bed guards, handle, polyester line for lifting pool.	Time before effect: 1 min. Apart from H1N1: 30 min	After every touching

5.02

Storage

The rail system should be stored in a room where the humidity does not exceed 70%. The rail system must not be stored in bathrooms or the like.

Key to symbols on the rail system packaging:



The rail system should be stored at:

- Temperatures between -10 and +40°C / 14 and 104°F
- A relative air humidity of between 30 and 70 %
- An air pressure of between 700 and 1060 hPa
- This side up

5.03

Maintenance

Check regularly that the system is stable.

1. The system is not stable

- Check that the vertical poles have been pushed securely into the top brackets
- Check that the top corner brackets are tightened
- Check that the top corner brackets have been positioned correctly
- Check the top corner brackets for defects or deformities?
- Check that the yellow thumb screws are tightened

2. The vertical height adjustment is not working

Check carefully with a 5 mm Allen key that the system is not stuck in the far end position.

If the top part of the vertical pole is not moving when turning the 5 mm Allen key, stop using the system and contact the distributor or the manufacturer.

The rail system, has an expected lifetime of 15 years, on the condition of proper maintenance (see 5.00).

Spare parts drawings can be obtained from the manufacturer or supplier.

In accordance with international standard EN/ISO 10535 "Hoist for the transfer of disabled persons – Requirements and test methods" an inspection should be performed on the hoist at least once a year.

Guldmann recommends that regular safety/service inspection is performed at least once a year with regard to the pattern of usage.

Inspection of the rail system must be performed by a qualified service technician or the Guldmann Service Team.

In connection with the purchase of the rail system, Guldmann or your supplier may offer a service agreement for this inspection.

During the safety/service inspection a report must be prepared on what was checked and replaced. Parts that are worn or defective must be replaced with new parts from Guldmann. Spare parts drawings and documentation can be obtained from the manufacturer or supplier.

Documentation/checklist regarding safety/service inspection can be obtained from the manufacturer or supplier.



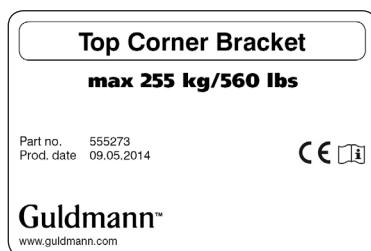
CE-marking



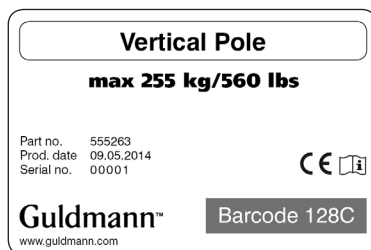
Read the manual before use

Examples of labels

Top corner bracket



Vertical pole



Free-standing room covering rail system

Item no. 555262 - dimension HxWxL 2040 - 2840 x 3200 x 3200 mm

Item no. 555570 - dimension HxWxL 2040 - 2840 x 4200 x 4200 mm

Maximum lifting capacity 255 kg

Total weight without hoist

3 x 3 m. 151 kg

4 x 4 m. 178 kg

Vertical pole, each 11 kg

Top bracket, each 4,8 kg

Rail 3 m, each 16,4 kg

Rail 4 m, each 21,8 kg

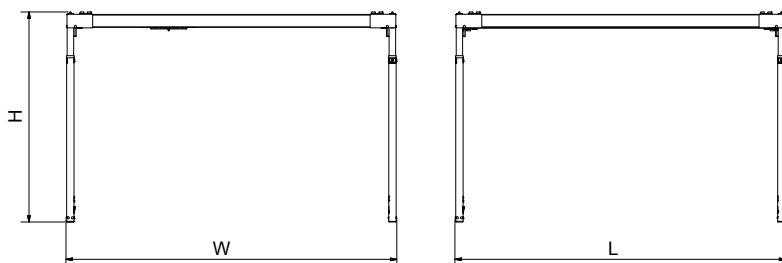
Traverse rail 3 m incl. trolleys 22,2 kg

Traverse rail 4 m incl. trolleys 27,6 kg

Materials

Rails and vertical poles Anodized aluminum

Brackets Powder varnished steel



10.00 EC-Declaration of conformity

The product is manufactured in compliance with the Council Directive 93/42/EEC of June 14th 1993, including amendments, as medical device class 1.

11.00 Environmental policy statement - V. Guldmann A/S

Guldmann is continuously working towards ensuring that the company's impact on the environment, locally and globally, is reduced to a minimum.

It is Guldmann's goal to:

- Comply with the current environmental legislation (e.g. WEEE and REACH directives)
- Ensure that we, at the widest possible range, use RoHS compliant materials and components
- Ensure that our products do not have an unnecessary negative impact on the environment regarding use, recirculation or disposal
- Ensure that our products contribute to a positive working environment in the places they are utilised

Inspections are made annually by the Department for Nature and Environment from the Municipality of Aarhus using the Danish Environmental Protection Act, section 42 as a reference.

WARRANTY – U.S.A. and countries outside the EU

A. Users guide

Before using the product, read the entire operation manual including warranty.

B. Warranty

Guldmann warrants its equipment is free from material defects under normal use, and will perform substantially in accordance with the specifications set forth in documentation provided with the equipment.

This express warranty shall be in effect for one year from the date of original purchase and installation (the "Warranty Period"). If a valid claim is made during the Warranty Period for malfunction or equipment defect, Guldmann will repair or replace the equipment at no additional cost to you. Guldmann retains sole discretion as to whether the equipment will be repaired or replaced.

This warranty shall be null and void if the equipment is operated and maintained in any manner inconsistent with its intended use or the instructions provided with the product. Further, in order for the warranty to remain in effect for the full Warranty Period, all service to the equipment must be provided by a Guldmann designated technician. Any parts or components repaired or replaced by a Guldmann designated technician will be guaranteed for the remainder of the Warranty Period.

The warranty does not cover any part of the equipment which has been subject to damage or abuse by the user or others. The warranty does not cover any part of the equipment which has been altered or changed in any way by the user or others. Guldmann does not warrant that the lifting device functions will meet your requirements, be uninterrupted or error free.

The warranty set forth is in lieu of all other express and implied warranties, whether oral, written or implied, and the remedies set forth above are your sole and exclusive remedies. Only an authorized officer of Guldmann may make modifications to this warranty, or additional warranties binding on Guldmann. Accordingly, additional statements such as advertising or presentations, whether oral or written, do not constitute warranties by Guldmann.

Service or Repair

Contact Guldmann Repair for an authorization to return any defective item during the Warranty Period. You will be provided with a return authorization number and address for returning the item for warranty service or replacement. Do not return items to Guldmann under warranty without receiving a Return Authorization Number.

If mailing the item, pack it carefully in a sturdy carton to prevent damage. Include your Return Authorization Number, a brief description of the problem and your return address and phone number. Guldmann does not assume the risk of loss or damage while in transit, so it is recommended you insure the package.

| Time to care |

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